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#### 1 [Secure and selective dissemination of XML documents](#)



[Elisa Bertino](#), [Elena Ferrari](#)

August 2002

**Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 3

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (678.34 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 161, Citation Count: 40

XML (*eXtensible Markup Language*) has emerged as a prevalent standard for document representation and exchange on the Web. It is often the case that XML documents contain information of different sensitivity degrees that must be selectively shared ...

**Keywords:** Access control, XML, secure distribution

#### 2 [Document structure](#)

[Richard Power](#), [Donia Scott](#), [Nadiet Bouayad-Agha](#)

June 2003

**Computational Linguistics**, Volume 29 Issue 2

**Publisher:** MIT Press

Full text available: [Pdf](#) (498.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 72, Citation Count: 9

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We argue the case for abstract document structure as a separate descriptive level in the analysis and generation of written texts. The purpose of this representation is to mediate between the message of a text (i.e., its discourse structure) and its ...

3 [G2ST: a novel method to transform GML to SVG](#)



Zhimao Guo, Shuigeng Zhou, Zhengchuan Xu, Aoying Zhou

November  
2003

**GIS '03: Proceedings of the 11th ACM international symposium on  
Advances in geographic information systems**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (204.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation Count: 2

Geography Markup Language (GML) has been adopted as *de facto* standard for geo-referenced information storing and exchanging, while Scalable Vector Graphics (SVG), also a W3C-recommended XML standard, is appearing as an ideal format for rendering ...

**Keywords:** GML, SVG, transforming language

4 [Typechecking XML views of relational databases](#)



Noga Alon, Tova Milo, Frank Neven, Dan Suciu, Victor Vianu

July  
2003

**Transactions on Computational Logic (TOCL)**, Volume 4 Issue 3

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (401.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 49, Citation Count: 12

Motivated by the need to export relational databases as XML data in the context of the Web, we investigate the *typechecking* problem for transformations of relational data into tree data (XML). The problem consists of statically verifying that ...

**Keywords:** Complexity, XML, logic, relational databases, typechecking

5 [XMark: a benchmark for XML data management](#)

Albrecht Schmidt, Florian Waas, Martin Kersten, Michael J. Carey, Ioana Manolescu, Ralph Busse

August  
2002

**VLDB '02: Proceedings of the 28th international conference on Very  
Large Data Bases**

**Publisher:** VLDB Endowment

Full text available: Pdf (78.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 85, Citation Count: 40

While standardization efforts for XML query languages have been progressing, researchers and users increasingly focus on the database technology that has to deliver on the new challenges that the abundance of XML documents poses to data management: validation, ...

6 [SemTag and seeker: bootstrapping the semantic web via automated semantic annotation](#)



[Stephen Dill](#), [Nadav Eiron](#), [David Gibson](#), [Daniel Gruhl](#), [Fl. Guha](#), [Anant Jhingran](#), [Tapas Kanungo](#), [Sridhar Rajagopalan](#), [Andrew Tomkins](#), [John A. Tomlin](#), [Jason Y. Zien](#)

May 2003 **WWW '03: Proceedings of the 12th international conference on World Wide Web**

**Publisher:** ACM

Full text available: Pdf (178.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 19, Downloads (12 Months): 242, Citation Count: 54

This paper describes Seeker, a platform for large-scale text analytics, and SemTag, an application written on the platform to perform automated semantic tagging of large corpora. We apply SemTag to a collection of approximately 264 million web pages, ...

**Keywords:** automated semantic tagging, data mining, information retrieval, large text datasets, text analytics

7 [Structured hypertext with domain semantics](#)



[Weigang Wang](#), [Roy Rada](#)

October 1998 **Transactions on Information Systems (TOIS)**, Volume 16 Issue 4

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (593.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 55, Citation Count: 8

One important facet of current hypertext research involves using knowledge-based techniques to develop and maintain document structures. A semantic net is one such technique. However, most semantic-net-based hypertext systems leave the linking consistency ...

**Keywords:** graph theory, hypertext models, hypertext structures

8 [XML document security based on provisional authorization](#)



[Michiharu Kudo](#), [Satoshi Hada](#)

November 2000 **CCS '00: Proceedings of the 7th ACM conference on Computer and communications security**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (456.68 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 104, Citation Count: 65

**Keywords:** XML, access control, provisional authorization, security transcoding

9 [A semantic network-based design methodology for XML documents](#)



Ling Feng, Elizabeth Chang, Tharam Dillon

October **Transactions on Information Systems (TOIS)**, Volume 20 Issue 4  
2002

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (285.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 96, Citation Count: 8

The eXtensible Markup Language (XML) is fast emerging as the dominant standard for describing and interchanging data among various systems and databases on the Internet. It offers the Document Type Definition (DTD) as a formalism for defining the syntax ...

**Keywords:** XML, XML Schema, conceptual modeling, design methodology, semantic network

10 [UnQL: a query language and algebra for semistructured data based on structural recursion](#)

Peter Buneman, Mary Fernandez, Dan Suciu

March **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 1  
2000

**Publisher:** Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (414.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 85, Citation Count: 32

This paper presents structural recursion as the basis of the syntax and semantics of query languages for semistructured data and XML. We describe a simple and powerful query language based on pattern matching and show that it can be expressed using structural ...

**Keywords:** Optimization, Query language, Semistructured data, Structural recursion, XML, XSL

11 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November **CASCON '97: Proceedings of the 1997 conference of the Centre for 1997 Advanced Studies on Collaborative research**

**Publisher:** IBM Press

Full text available: [Pdf](#) (4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 368, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

## 12 [Context perception in video-based hypermedia spaces](#)



[Teresa Chambel](#), [Nuno Guimarães](#)

June **HYPERTEXT '02**: Proceedings of the thirteenth ACM conference on  
2002 Hypertext and hypermedia

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (648.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 52, Citation Count: 3

Multimedia hypertext has grown from the basic addition of dynamic media only at "leaf" nodes of the hypertext, to higher structured attempts to compose and integrate the different media. One of the core problems in this evolution has been, and still ...

**Keywords:** HTIMEL, cognitive processes, design, education, entertainment, hypervideo, integration in context, interactive video and TV, link awareness

## 13 [The essence of XML](#)



[Jérôme Siméon](#), [Philip Wadler](#)

January **POPL '03**: Proceedings of the 30th ACM SIGPLAN-SIGACT symposium  
2003 on Principles of programming languages

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (165.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 72, Citation Count: 16

The World-Wide Web Consortium (W3C) promotes XML and related standards, including XML Schema, XQuery, and XPath. This paper describes a formalization of XML Schema. A formal semantics based on these ideas is part of the official XQuery and XPath specification, ...

**Keywords:** XML, XML schema, XPath, XQuery, validation

Also published in:

January 2003 **SIGPLAN Notices** Volume 38 Issue 1

## 14 [A brief introduction to the GeM annotation schema for complex document layout](#)

[John Bateman](#), [Renate Henschel](#), [Judy Delin](#)

September **NLPXML '02: Proceedings of the 2nd workshop on NLP and**  
2002 **XML - Volume 17**, Volume 17

**Publisher:** Association for Computational Linguistics

Full text available: Pdf (152.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 13, Citation Count: 0

In this paper we sketch the design, motivation and use of the GeM annotation scheme: an XML-based annotation framework for preparing corpora involving documents with complex layout of text, graphics, diagrams, layout and other navigational elements. ...

15 [aTool: creating validated XML documents on the fly using MS word](#)



[Oliver Meyer](#)

October 2002 **SIGDOC '02: Proceedings of the 20th annual international conference on Computer documentation**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (239.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 14, Citation Count: 2

This paper describes aTool, an extension to Microsoft's Word to create XML documents. aTool has been developed in a joint project of the publisher Springer Verlag, Technical University of Munich (TUM), and Technical University of Aachen (RWTH). It has ...

**Keywords:** A-Posteriori Integration, DOM, Microsoft Office, Microsoft Word, Microsoft Word Add-In, XML, character formatting

16 [HTTP Cookies: Standards, privacy, and politics](#)



[David M. Kristol](#)

November 2001 **Transactions on Internet Technology (TOIT)**, Volume 1 Issue 2

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (390.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 320, Citation Count: 8

How did we get from a world where cookies were something you ate and where "nontechies" were unaware of "Netscape cookies" to a world where cookies are a hot-button privacy issue for many computer users? This article describes how HTTP "cookies" work ...

**Keywords:** Cookies, HTTP, World Wide Web, privacy, state management

17 [Outline of the international standard linguistic annotation framework](#)

[Nancy Ide](#), [Laurent Romary](#)

July 2003 **Proceedings of the ACL 2003 workshop on Linguistic annotation: getting the model right - Volume 19**, Volume 19

**Publisher:** Association for Computational Linguistics

Full text available: Pdf (118.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 14, Citation Count: 0

This paper describes the outline of a linguistic annotation framework under development by ISO TC37 SC WG1-1. This international standard provides an architecture for the creation, annotation, and manipulation of linguistic resources and processing software. ...

18 Designing a distributed access control processor for network services on the



Web

Reiner Kraft

November  
2002

**XMLSEC '02: Proceedings of the 2002 ACM workshop on XML security**  
2002

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (301.14 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 15, Downloads (12 Months): 161, Citation Count: 4

The service oriented architecture (SOA) is gaining more momentum with the advent of network services on the Web. A programmable and machine accessible Web is the vision of many, and might represent a step towards the semantic Web. However, security is ...

**Keywords:** Web services, XML, access control, security

19 TIMBER: A native XML database

H. V. Jagadish, S. Al-Khalifa, A. Chapman, L. V. S. Lakshmanan, A. Nierman, S. Papatrinos, J. M. Patel, D. Srivastava, N. Wiwatwattana, Y. Wu, C. Yu

December  
2002

**The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 11 Issue 4

**Publisher:** Springer-Verlag New York, Inc.

Full text available: Pdf (268.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 229, Citation Count: 85

This paper describes the overall design and architecture of the Timber XML database system currently being implemented at the University of Michigan. The system is based upon a bulk algebra for manipulating trees, and natively stores XML. New access ...

**Keywords:** Algebra, Document management, Hierarchical, Query processing, Semi-structured

20 A UML tool for an automatic generation of simulation programs



L. B. Arief, N. A. Speirs

September  
2000

**WOSP '00: Proceedings of the 2nd international workshop on Software and performance**

**Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (61.67 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 47, Citation Count: 12

**Keywords:** UML extension, discrete simulation, model design, process-oriented, program generators

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